

SECTION 260529  
SUPPORTING DEVICES

PART 1        GENERAL

1.1        SECTION INCLUDES

- A.    Conduit and equipment support.
- B.    Anchors and fasteners.

1.2        REFERENCES

- A.    NECA - National Electrical Contractors Association.
- B.    ANSI/NFPA 70 - National Electrical Code.

PART 2        PRODUCTS

2.1        PRODUCT REQUIREMENTS

- A.    Materials and Finishes: Corrosion resistance.
- B.    Select materials, sizes, and types of anchors, fasteners and supports to carry the loads of equipment and conduit, including weight of wire in conduit.
- C.    Anchors and Fasteners:
  - 1.    Concrete Structural Elements: Use precast inserts, expansion anchors, powder actuated anchors and preset inserts.
  - 2.    Steel Structural Elements: Use beam clamps, steel ramset fasteners and welded fasteners.
  - 3.    Concrete Surfaces: Use self-drilling anchors and expansion anchors.
  - 4.    Hollow Masonry, Plaster, and Gypsum Board Partitions: Use toggle bolts and hollow wall fasteners.
  - 5.    Solid Masonry Walls: Use expansion anchors and preset inserts.
  - 6.    Sheet Metal: Use sheet metal screws.
  - 7.    Wood Elements: Use wood screws.

PART 3        EXECUTION

3.1        INSTALLATION

- A.    Locate and install anchors, fasteners, and support in accordance with NECA "Standard of Installation".
  - 1.    Do not fasten supports to pipes, ducts, mechanical equipment, T-bars, T-bar supports, or conduit.
  - 2.    Do not use spring steel clips and clamps.
  - 3.    Obtain permission from Architect/Engineer before using powder-actuated anchors.
  - 4.    Obtain permission from Architect/Engineer before drilling or cutting structural members.
- B.    Fabricate supports from structural steel or formed steel members. Rigidly weld members or use hexagon-head bolts to present neat appearance with adequate strength and rigidity. Use spring lock washers under all nuts.
- C.    Install surface-mounted cabinets and panelboards with a minimum of four (4) anchors.

- D. In wet and damp locations use steel channel supports to stand cabinets and panelboards 1 inch (25 mm) off wall.
- E. Use sheet metal channel to bridge studs above and below cabinets and panelboards recessed in hollow partitions.

END OF SECTION